

**NON-PROVISIONAL  
UTILITY PATENT APPLICATION  
TRANSMITTAL - 37 CFR 1.53(b)**

Duplicate ☐  
(check, if applicable)



Commissioner for Patents  
**MAIL STOP PATENT APPLICATION**  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney Docket No. 053639-5002-03  
First Named Inventor: Maciag et al.  
Express Mail No.: EV164948974US  
Total Pages of Transmittal Form: 2

Transmitted herewith for filing is the non-provisional utility patent application entitled:

**THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON  
JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS**

which is:

an ☐ Original; or

a ☐ Continuation, ☒ Divisional, or ☐ Continuation-in-part (CIP)

of prior continuation-in-part of U.S. Patent Application No. 09/579,536 filed on May 24, 2000 which is a continuation-in-part of U.S. Patent Application No. 09/199,865 filed on November 25, 1998 which is a continuation of PCT Application No. US/PCT97/09407, filed on May 30, 1997, all of which are entitled to priority under 35 U.S.C. § 119(e), to U.S. Provisional Application No. 60/018,841, filed on May 31, 1996.

☐ This non-provisional patent application is based on Provisional Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_.

Enclosed are:

- ☒ Copy of Specification (including Abstract) and claims: 142 pages.
- ☐ Application Data Sheet.
- ☐ Newly executed/unexecuted Declaration (original/copy).
- ☒ Copy of Declaration from prior application.
- ☒ Copy of Revocation and Power of Attorney listed in Parent Application No. 09/579,536.
- ☐ Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
- ☒ Copy of 18 sheets of original (formal) drawings as filed in prior Patent Application No. 09/579,536 filed on May 24, 2000.
- ☐ Microfiche computer program (Appendix).
- ☒ Nucleotide and/or Amino Acid Sequence Submission, including:
  - ☐ Computer readable copy ☒ Paper Copy ☒ Verified Statement.
- ☒ Please transfer the diskette version of the Sequence Listing from Parent Application No. 09/579,536 to the present application.
- ☐ Under PTO-1595 Cover Sheet, an assignment of the invention
- ☒ Name of Assignee: Maine Medical Center Research Institute
- ☐ Certified copy(ies) of \_\_\_\_\_ Application No(s). \_\_\_\_\_ filed \_\_\_\_\_ is/are filed:
  - ☐ herewith or ☐ in prior application &@.

- ☒ Applicant(s), by its/their undersigned attorney, claim(s) Small Entity Status under 37 C.F.R. §1.27 as ☐ an Independent Inventor, or ☐ a Small Business Concern, or ☒ a Non-Profit Organization.
- ☒ Preliminary Amendment.
- ☒ Information Disclosure Statement and PTO-1449. Copies of the references cited are not included as they have been filed or cited in the parent application no. 09/579,536.
- ☐ Request for Nonpublication of Application Under 35 U.S.C. §122(b)
- ☒ Other: Transmittal of Formal Drawings and eighteen (18) revised formal drawings sheets as filed in the parent application on February 4, 2003

The filing fee is calculated as follows:

			SMALL ENTITY			LARGE ENTITY	
CLAIMS	NO. FILED	NO. EXTRA	BASIC FEE: \$375			BASIC FEE: \$750	
Total	15 - 20 =	0	X9	\$ 0	OR	X18	\$
Independent	9 - 3 = 6	6	X42	\$ 252	OR	X84	\$
<input type="checkbox"/> Multiple Dependent Claims Present			\$140	\$	OR	\$280	\$
			<b>TOTAL</b>	<b>\$ 627.00</b>	OR	<b>TOTAL</b>	<b>\$</b>

- ☐ The Commissioner is not authorized to charge the filing fee at this time as we elect to defer payment of the entire filing fee until receipt of a Notice to File Missing Parts.
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and/or credit Deposit Account No. 50-0310 (Billing No. 053689-5002-03) as noted below.
- ☐ Any overpayments or deficiencies in the above-calculated fee.
- ☒ Filing fee in the amount of \$ 627.00 as calculated above.
- ☐ Any additional fees required under 37 C.F.R. § 1.16 and § 1.17.
- ☒ In the event that a Petition for Extension of Time is required during the prosecution of this application, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account noted above.

**CORRESPONDENCE ADDRESS:**

August 28, 2003  
(Date)

By:

Raquel M. Alvarez  
**RAQUEL M. ALVAREZ, PH.D., J.D.**  
 Registration No. 45,807  
**MORGAN, LEWIS & BOCKIUS, L.L.P.**  
 1701 Market Street  
 Philadelphia, PA 19103-2921  
 Telephone: (215) 963-5000  
**Direct Dial: (215) 963-5403**  
 Facsimile: (215) 963-5001  
 E-Mail: ralvarez@morganlewis.com

☒ Customer Number or Bar Code Label: **028977**  
 RMA/QDN/prw def  
 Enclosures

EXPRESS MAIL NO.: EV164948974US

PATENT  
MAIL-STOP PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Patent Application of Thomas Maciag <i>et al.</i>	: Group Art Unit: To Be Assigned : : :
Appln. No.:	To Be Assigned	: Examiner: To Be Assigned : :
Filed:	Herewith	: : :
Title:	THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS BASED ON JAGGED/NOTCH PROTEINS: AND NUCLEIC ACIDS	: Attorney Docket No. : 053689-5002-03 : :

TRANSMITTAL OF FORMAL DRAWINGS

Attention Official Draftsperson:

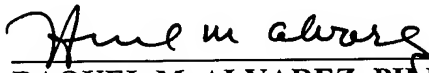
Enclosed are eighteen (18) sheets of formal drawings, Figures 1-13C corresponding to the above identified application. It is respectfully submitted that the enclosed formal drawings are in acceptable form.

Respectfully submitted,

THOMAS MACIAG, *ET AL.*

August 28, 2003  
(Date)

By:

  
RAQUEL M. ALVAREZ, PH.D., J.D.  
Registration No. 45,807  
MORGAN, LEWIS & BOCKIUS, L.L.P.  
1701 Market Street  
Philadelphia, PA 19103-2921  
Telephone: 215-963-5000  
Direct Dial: 215-963-5403  
Facsimile: 215-963-5001  
E-Mail: ralvarez@morganlewis.com

RMA/QDN 

Enclosures: (eighteen sheets of formal drawings)